NEW SOUTH WALES

STATISTICAL REGISTER

MINING

1964



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AND

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ROUNDING OF FIGURES

Where figures in this publication have been rounded, any discrepancies between the totals shown and the sums of the component items are due to rounding.

DECIMAL CURRENCY

In the Australian decimal currency system, which was introduced on 14th February, 1966, the monetary unit is the dollar (\$), divided into 100 cents. Two dollars are equal in value to £1, the monetary unit in the former currency system. All values in this publication have been converted to the equivalent amounts in decimal currency.

PREFACE

This issue of the Mining Part of the Statistical Register of New South Wales contains statistics for 1964 and earlier years.

The statistics given in this publication should be read in conjunction with the Official Year Book of New South Wales. For the most recent statistics, the reader should refer to other publications of the Bureau, particularly the Statistical Bulletin and the Monthly Summary of Business Statistics.

My thanks are tendered to the responsible officers of the various State and Commonwealth authorities and to others who have supplied information, often at considerable trouble.

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9th December, 1965.

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MINING STATISTICS

EXPLANATORY NOTES

- I. For statistical purposes, the mining industries are defined to cover not only the actual mining or quarrying operations, but also crushing and ore dressing operations carried out in treatment works situated at or near a mine or quarry. The screening and washing of coal are included in mining activity when undertaken at a mine or at plants centrally situated to serve a number of mines in the locality. However, the refining of metals and the processing of raw materials (in the manufacture of such products as coke, bricks, and portland cement) are classified as factory activity, whether or not the works are situated in the locality of the mine or quarry.
- 2. In accordance with this definition, the minerals produced are recorded in the form in which they are despatched from the working. For example, a metallic mineral is recorded as an ore if untreated before despatch, and as a concentrate if ore dressing operations are undertaken at or about the mine.
- 3. The minerals are classified into four major groups:—
 metallic minerals;
 fuel minerals;
 non-metallic minerals; and
 construction materials.
- 4. In Tables I to 6, each mine or quarry has been classified to an industry in accordance with its principal product, and all employment, products, and other particulars of the mine or quarry have been attributed to that industry. The value of output shown in these Tables for a particular industry or group of industries is therefore the value of all the products of the mines and quarries classified to that industry or group.
- 5. Revised methods of preparing statistics were adopted in 1950 for all mining industries except the coal mining industry, in accordance with a plan for the preparation of mining statistics on a uniform basis in all Australian States and Territories. Statistics relating to employment and the quantity and value of mineral products are available on the new basis only from 1950, and those relating to wages, value of plant, materials used, etc., are available only from 1952. These statistics are not comparable with those previously published for earlier years.
- 6. Oil search operations are not regarded as a mining activity.

No. 1. Summary of Mining Operations*, 1958 to 1964

	1		,					1
		Average			ets of Mines		Explosives	
Year	No. of Mines Worked	Number of Persons Employed	Salaries and Wages Paid ‡	Additions and Replace- ments During Year	Value at End of Year	Materials and Fuel Used	Sold to Employees	Value of Output
			\$ thous.	\$ thous.	\$ thous.	\$ thous.	\$ thous.	\$ thous.
			Silver-L	ead-Zinc Mir	ning			
1958 1959 1960 1961 1962 1963 1964	13 13 15 14 11 9	6,234 5,607 5,357 5,186 4,826 4,350 4,391	17,971.9 16,738.1 17,219.3 16,759.3 14,810.0 15,017.6 17,576.7	1,955.1 1,765.7 1,849.5 2,060.5 1,842.4 1,121.3 1,874.0	29,787.4 28,983.2 38,010.9 38,133.9 38,348.7 37,664.4 37,670.3	11,333.0 10,515.4 11,138.6 10.531.3 8,798.7 9.027.5 9,691.4	277.6 249.2 240.3 208.3 188.1 183.6 181.3	38,186.1 41,893.3 43.858.5 35,413.0 35,109.9 54,486.8 87,990.4
			Other I	Metallic Minir	ng			
1958 1959 1960 1961 1962 1963 1964	135 153 174 173 152 131 123	1,158 991 1,040 1,081 1,322 1,510	1,979.2 1,686.4 1,892.6 2,060.0 2,616.7 3,674.3 4,427.1	600.7 823.0 739.3 1,225.8 5,347.4 6,122.2 8,411.6	4,839.4 3,938.7 3,921.9 4,042.6 9,314.1 13,762.0 21,025.0	1,366.6 1,388.3 1,924.5 2,094.2 2,082.5 2,935.6 2,994.2	5.6 5.3 0.9 32.4	6,789.3 5,991.7 6,176.7 6,826.4 7,037.5 11,855.1 13,812.6
			Total,	Metallic Min	ing	,		
1958 1959 1960 1961 1962 1963 1964	148 166 189 187 163 140	7,392 6,598 6,397 6,267 6,148 5,860 6,104	19,951.1 18,424.5 19,111.9 18,819.3 17,426.7 18,691.9 22,003.7	2,555.8 2,588.7 2,588.8 3,286.3 7,189.7 7,243.5 10,285.6	34,626.9 32,921.9 41,932.9 42,176.5 47,662.8 51,426.4 58,695.3	12,699.6 11,903.7 13,063.1 12,625.6 10,881.2 11,963.1 12,685.6	283.2 254.5 241.2 208.3 188.1 183.6 213.7	44,975.3 47,885.0 50,035.2 42,239.4 42,147.4 66,341.9 101,803.0
			(Coal Mining				
1958 1959 1960 1961 1962 1963 1964	117 115 114 107 100 94 94	15,463 13,445 13,279 12,512 11,998 11,534 11,367	36,714.7 34,503.2 38,500.6 38,806.5 37,611.7 37,208.8 39,735.2	14,333.9 13,219.4 18,507.0 17,692.2 18,422.0 15,164.9 13,564.9	55,766.3 60,928.4 65,411.5 83,616.4 86,762.6 85,541.6 83,774.1	16,716.6 15,918.7 18,068.4 20,621.0 22,088.6 21,845.0 22,832.7	125.6 60.8 53.8 36.4 30.0 26.6 21.2	79,958.4 74,873.3 85,353.9 90,224.8 94,067.7 ▲ 90,837.8 97,251.7
			Non-metalli	c Mining (Ex	cluding Clays	5)		
1958 1959 1960 1961 1962 1963 1964	131 119 123 170 175 230 245	683 667 664 810 813 835 819	1,236.1 1,175.1 1,269.5 1,516.6 1,411.4 1,434.2 1,588.6	697.9 393.0 272.0 960.5 233.4 413.5 240.7	2,810.8 2,700.4 2,509.4 2,848.9 2,734.5 2,668.1 2,474.4	1,069.4 959.8 981.7 1,055.8 1,009.8 1,049.8	0.9	3,733.5 3,602.9 3,736.0 4,520.3 4,250.6 4,530.0 4,762.5
				Total *				
1958 1959 1960 1961 1962 1963 1964	396 400 426 464 438 464 475	23,538 20,710 20,340 19,589 18,959 18,299 18,290	57,901.9 54,102.8 58,882.1 59,142.3 56,449.9 57,334.9 63,327.6	17,587.6 16,201.1 21,367.8 21,939.1 25,845.1 22,821.9 24,091.2	93,203.9 96,550.7 109,853.8 128,641.9 137,160.0 139,636.1 144,943.7	30,485.6 28,782.3 32,113.3 34,302.4 33,979.6 34,857.9 36,590.1	408.7 316.3 295.0 244.7 218.1 210.2 234.9	128,667.2 126,361.2 139,125.1 136,984.5 140,465.6 A 161,709.7 203,817.2

Excludes clay pits and quarries winning construction materials, which, in 1964, had an average employment of 395 and 1,919, respectively, and a value of output of \$2,807,800 and \$26,673,600, respectively.

For coal mining, average during whole year; for other mining, average during period of operation. Includes working proprietors, but excludes fossickers.

Before deducting the value of explosives sold to employees; excludes drawings by working proprietors.

Depreciated book values. Figures for 1961 were affected by a substantial revaluation of assets at certain coal mines. Not strictly comparable with earlier years because of a revised method of valuation at certain coal mines (which increased values for 1962 by approximately \$4,000,000).

No. 2. Value of Materials and Fuel Used in Mines*, 1958 to 1964

		Fue	l and Power	Used			Stores and Mo	aterials Use	ed
Year and Class of Mining	Coal	Oil and Petrol	Electricity	Other	Total Fuel and Power	Mining Timber	Explosives †	Other	Total stores and materials
	\$ thous.	\$ thous.	\$ thous.	\$ thous	\$ thous.	\$ thous.	\$ thous.	\$ thous.	\$ thous.
1958 1959 1960 1961 1962 1963	462.2 371.2 323.0 295.6 244.7 211.1	503.0 430.9 461.4 569.8 510.7 613.9	6,243.6 5,957.3 6,407.7 6,574.6 6,839.7 7,301.9	681.3 523.6 514.1 448.0 424.8 444.8	7,890.1 7,283.0 7,706.2 7,888.0 8,019.9 8,571.7	4,700.4 4,248.9 4,704.1 4,482.0 4,650.7 4,550.6	2,147.6 1,920.0 1,852.5 1,745.7 1,537.0 1,394.3	15,747.5 15,330.4 17,850.5 20,186.6 19,772.0 20,341.3	22,595.5 21,499.3 24,407.1 26,414.4 25,959.7 26,286.3
1964 Silver-Lead-Zinc Other Metallic Coal Non-metallic Total	9.7 139.4 10.6	29.4 281.9 110.8 118.5	2,073.8 1,069.0 4,418.3 104.7 7,665.8	388.3 11.6 0.5 0.8 401.1	2,491.5 1,372.2 4,668.9 234.6 8,767.1	2,096.3 7.9 2,430.3 1.4 4,535.9	170.8 7.8 934.9 135.8	4,932.9 1,606.4 14,798.5 700.0 22,037.8	7,199.9 1,622.1 18,163.8 837.2 27,823.0

* See note *, Table 1. † Excludes value of explosives sold to employees. See Table 1.

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No. 3. Fixed Assets of Mines*, 1959 to 1964

	Additio	ns and Replac	ements During	the Year		Value at Er	nd of Year †	
Year	Land and Buildings	Machinery and Plant	Mine Development	Total	Land and Buildings	Machinery and Plant	Mine Development	Total
	\$ thous.	\$ thous.	\$ thous.	\$ thous.	\$ thous.	\$ thous.	\$ thous.	\$ thous.
			Silver	Lead-Zinc M	ining			
1,959 1960 1961 1962 1963 1964	12.2 176.3 105.3 57.5 120.0 306.3	946.2 971.3 1,267.5 1,375.4 1,001.0 1,561.5	807.3 701.9 687.6 409.5 0.3 6.2	1,765.7 1,849.5 2,060.5 1,842.4 1,121.3 1,874.0	4,586.6 3,358.8 3,096.2 2,903.3 2,718.2 2,822.8	11,240.7 9,440.1 9,131.8 9,134.6 8,766.2 8,887.3	13,155.8 25,212.0 25,905.9 26,310.7 26,180.0 25,960.2	28,983.2 38,010.9 38,133.9 38,348.7 37,664.4 37,670.3
			Othe	r Metallic Mir	ning			
1959 1960 1961 1962 1963 1964	9.2 38.9 80.9 471.0 695.1 1,309.2	752.7 640.5 1,008.7 4,356.8 3,274.1 5,268.5	61.0 59.8 136.3 519.6 2,153.0 1,833.9	823.0 739.3 1,225.8 5,347.4 6,122.2 8,411.6	490.5 485.2 485.4 1,319.6 1,737.1 2,875.1	3,179.0 3,084.8 3,181.8 7,041.6 9,024.0 13,548.9	269.2 351.9 375.4 952.9 3,000.9 4,601.0	3,938.7 3,921.9 4,042.6 9,314.1 13,762.0 21,025.0
	,			Coal Mining				
1959 1960 1961 1962 1963 1964	865.7 734.4 1,265.4 971.7 1,055.7 1,404.2	10,551.6 16,160.5 13,476.4 12,727.7 10,224.9 10,077.6	1,802.1 1,612.1 2,950.4 4,722.6 3,884.3 2,083.1	13,219.4 18,507.0 17,692.2 18,422.0 15,164.9 13,564.9	9,534.9 9,565.7 10,341.3 10,514.2 10,404.9 10,547.8	42,486.7 46,194.0 60,993.4 62,653.4 61,036.8 57,753.2	8,906.8 9,651.8 12,281.7 13,595.1 14,100.0 15,473.1	60,928.4 65,411.5 83,616.4 86,762.6 85.541.6 83,774.1
			Non-metallic	Mining (Exc	luding Clays			
1959 1960 1961 1962 1963 1964	23.7 26.9 82.0 27.6 39.7 41.1	366.3 236.9 866.6 151.7 365.5 185.8	3.1 8.2 11.9 54.2 8.2 13.8	393.0 272.0 960.5 233.4 413.5 240.7	423.1 590.9 434.0 451.9 458.8 464.1	2,066.6 1,702.7 2,200.6 1,991.4 1,992.2 1,790.9	210.7 215.8 214.3 291.3 217.1 219.4	2,700.4 2,509.4 2,848.9 2,734.5 2,668.1 2,474.4
				Total *				
1959 1960 1961 1962 1963 1964	910.7 976.5 1,533.6 1,527.7 1,910.5 3,060.7	12,616.8 18,009.3 16,619.2 18,611.6 14,865.5 17,093.4	2,673.6 2,382.0 3,786.2 5,705.8 6,045.9 3,937.0	16,201.1 21,367.8 21,939.1 25,845.1 22,821.9 24,091.2	15,035.1 14,000.6 14,356.9 15,188.9 15,318.9 16,709.7	58,973.0 60,421.7 75,507.7 80,821.0 80,819.2 81,980.4	22,542.6 35,431.5 38,777.3 41,150.0 43,498.0 46,253.7	96,550.7 109,853.8 128,641.9 137.160.0 139,636.1 144.943.7

* Excludes clay pits and quarries winning construction materials, for which these particulars are not available.
† Depreciated book values. Figures for 1961 were affected by a substantial revaluation of assets at certain coal mines.

No. 1 Persons Employed in Mines* 1959 to 1964

		No. 4. P	ersons En	nployed ii	n Mines [↑] ,	1959 to 1	964		
			Persons E	mployed on	Last Full Wo	rking Day			Average
Year	W 1:	Salarie	d Staff	Wage	Earners	Т	otal Employe	d	Number of Persons
Tear	Working Proprietors	Above Ground	Below Ground	Above Ground	Below Ground	Males	Females	Persons	Employed †
			Sil	ver-Lead-Z	inc Mining				
1959 1960 1961 1962 1963 1964	4 17 8 4 5	712 739 731 659 686 720	361 379 379 318 315 340	1,550 1,549 1,569 1,299 1,230 1,273	2,825 2,658 2,434 2,199 2,119 2,212	5,355 5,223 5,018 4,389 4,234 4,424	97 119 103 90 121 132	5,452 5,342 5,121 4,479 4,355 4.556	5,607 5,357 5,186 4,826 4,350 4,391
			0	ther Metall	ic Mining				
1959 1960 1961 1962 1963	83 75 88 66 70	99 91 87 123 149 186	1 2 1 6 12 14	629 659 769 1,010 1,185 1,405	18 26 43 77 68 73	817 836 967 1,234 1,443 1,774	13 17 21 48 41 48	830 853 988 1,282 1,484 1,822	991 1,040 1,081 1,322 1,510 1,713
				Coal Mi	ning				
1959 1960 1961 1962 1963 1964	31 34 25 25 27 18	577 559 521 568 532 469	210 207 178 179 176 183	3,885 3,791 3,491 3,428 3,253 3,263	8,562 8,315 7,664 7,472 7,457 7,371	13,203 12,836 11,810 11,596 11,366 11,235	62 70 69 76 79 69	13,265 12,906 11,879 11,672 11,445 11,304	13,445 13,279 12,512 11,998 11,534 11,367
			Non-meta	lic Mining	(Excluding	Clays)			
1959 1960 1961 1962 1963 1964	49 49 78 122 192 195	35 31 30 33 34 36		518 533 586 572 581 560	5 5 7 7 6 5	606 617 699 733 812 792	1 1 2 1 1 4	607 618 701 734 813 796	667 664 810 813 835 819
				Tota	*				
1959 1960 1961 1962 1963 1964	167 175 199 217 294 368	1,423 1,420 1,369 1,383 1,401 1,411	572 588 558 503 503 537	6,582 6,532 6,415 6,309 6,249 6,501	11,410 11,004 10,148 9,755 9,650 9,661	19,981 19,512 18,494 17,952 17,855 18,225	173 207 195 215 242 253	20,154 19,719 18,689 18,167 18,097 18,478	20,710 20,340 19,589 18,959 18,229 18,290

* Excludes clay pits and quarries winning construction materials, which in 1964, had an average employment of 395 and 1,919, respectively.
† For coal mining, average during whole year; for other mining, average during period of operation. Includes working proprietors, but excludes fossickers.

No. 5. Individual Mining and Quarrying Industries: Average Number of Persons Employed*, 1955 to 1964

Persons employed include those engaged in actual mining and quarrying operations, and in crushing and ore dressing operations carried out in treatment works situated at or near the mine or quarry.

Industry	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964
		Mining	for Meta	llic Mine	rals					
Antimony Bauxite Copper and Copper-Gold Gold Iron Oxide Manganese Mineral Sands Silver-Lead-Zinc Tin Tungsten Other Metallic Minerals	38 3 60 163 3 27 503 6,765 164 21 11	28 3 66 122 3 24 1,013 6,803 147 10 1	28 3 80 131 3 32 1,340 6,717 109 4	36 2 63 136 8 40 718 6,234 152 3	32 2 44 31 16 66 621 5,607 171 2 6	10 2 71 78 17 37 665 5,357 156 2 2	10 . 2 92 87 15 23 688 5,186 161 2 1	10 2 112 71 16 30 947 4,826 133 	12 3 196 59 14 17 1,032 4,350 175 2	18 4 219 60 14 1,116 4,391 268 6,104
,	. ,				,			,	,	,
		MINII	ng for Fu	lei Miner						
Coal, Black	19,260	17,918	16,622	15,463	13,445	13,279	12,512	11,998	11,534	11,367
Total	19,260	17,918	16,622	15,463	13,445	13,279	12,512	11,998	11,534	11,367
		Mining fo	or Non-m	etallic M	inerals					
Asbestos Barite Clays —	26 9	31 7	34	43 5	51	38	39 2	38	40	46 4
Brick and Tile Clay and Shale Other Clay and Shale Diatomite Dolomite Felspar (including Cornish Stone) Gypsum Limestone (including Sea Shells) Magnesite	317 176 13 10 30 45 371 97	311 170 13 11 22 36 343 107	290 171 12 27 23 36 331 126	288 163 8 10 19 37 351 101	316 149 9 12 16 33 328 79	314 150 8 8 12 28 337 90	306 148 10 10 17 31 374 121	287 119 12 13 14 33 361 102	298 121 11 12 19 31 371 100	266 129 10 7 22 31 365 50
Talcs (including Steatite and Pyrophyllite) Other Non-metallic Minerals	8 74	6 78	8 73	8	11 127	14 127	13 193	15 222	17 230	17 267
Total	1,176	1,135	1,135	1,134	1,132	1,128	1,264	1,219	1,254	1,214
	G)uarrying	for Cons	struction	Materia	ls				
Sand and River Gravel — River Deposits Other Deposits Dimension Stone —	446 56	497 68	441 61	426 92	503 92	624	575	607	578	601
Granite Sandstone Other Crushed and Broken Stone	16 137 21 569	12 115 20 533	14 135 25 569	37 13 4 30 565	47 143 20 683	200	244 936	202 967	243	203
Total	1,245	1,245	1,245	1,284	1,488	1,647	1,755	1,776	1,844	1,919
	Δ	II Minin	g and Qu	arrying l	ndustrie	s				
Total	29,439	28,518	27,449	25,273	22,663	22,451	21,798	21,141	20,492	20,604

^{*} For coal mining, average during whole year; for other mining, average during period of operation. Includes working proprietors, but excludes fossickers (estimated at 422 in 1964) and employees of Main Roads Department and Municipal and Shire Councils winning road materials (estimated at 944 in 1964).

No. 6. Individual Mining and Quarrying Industries: Value of Output, 1955 to 1964

Indicate:	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964
Industry					\$ thous	sand				
	,	Minir	ng for Me	tallic Mi	nerals					
Antimony Bauxite	60 6	68 10	120	176	164	38	40	25	27 13	141
Copper and Copper-Gold Gold Iron Oxide Manganese Mineral Sands	46 566 28 30 4,344	44 500 32 36 10,450	24 538 26 38 13,006	30 204 24 52 5,920	49 15 34 91 5,328	30 38 73 59 5,547	37 24 103 39 6,236	53 14 100 26 6,387		17 2 8 1 11,40
Silver-Lead-Zinc Tin Tungsten Other Metallic Minerals	63,900 432 22 10	68,208 460 12 2	53,640 346 2	38,186 380 2	41,893 302 	43,858 385 	35,413 341 2	35,110 422 	54,487 509 	87,99 1,94
Total	69,444	79,822	67,746	44,975	47,885	50,035	42,239	42,147	66,342	101,80
		Min	ing for F	uel Mine	erals					
Coal, Black	83,430	81,274	80,900	79,958	74,873	85,354	90,225	94,068*	90,838	97,252
Total	83,430	81,274	80,900	79,958	74,873	85,354	90,225	94,068*	90,838	97,252
		Mining	for Non-	-metallic	Mineral	s		2		
Asbestos Barite Clays —	108	114	132 26	138 20	133	213	173	191 2	206 12	218
Brick and Tile Clay and Shale Other Clay and Shale Diatomite Dolomite Felspar (including Cornish Stone) Gypsum Limestone (including Sea Shells) Magnesite Talcs (including Steatite and	1,208 480 22 42 102 382 1,684 428	1,232 448 40 52 98 342 1,802 486	1,156 538 44 36 78 388 1,980 660	1,298 444 26 36 58 342 2,264 566	1,564 441 35 49 58 411 1,907 507	1,760 523 31 44 57 402 2,084 519	1,578 619 33 42 71 398 2,592 762	1,619 600 29 44 67 275 2,540 550	2,094 586 21 42 87 256 2,832 467	2,206 602 64 92 253 3,048 282
Pyrophyllite) Other Non-metallic Minerals	10 158	10 194	14 212	12 272	15 488	19 367	28 421	26 528	23 584	74 74
Total	4,632	4,822	5,264	5,476	5,608	6,019	6,717	6,470	7,210	7,570
		Quarryir	ng for Co	nstructio	on Materi	als				
Sand and River Gravel— River Deposits Other Deposits Dimension Stone—	1,950 392	2,444 532	3,086	2,838 650	3,020 412	4,868	3,888	4,149	5,766	7,596
Granite Sandstone Other Crushed and Broken Stone	20 346 60 8,316	16 350 40 8,470	14 490 62 8,820	66 456 52 8,800	81 512 50 10,161	648	917 12,726	77 1 12,822	1,065 14,130	1,137 17,940
Total	11,084	11,852		12,862	14,236	18,265	17,531	17,742	20,961	26,674
		All Min	ing and (Quarrying	g Industr	ies				
Total		177,770					154 710			

^{*} Not strictly comparable with earlier years because of a revised method of valuation at certain mines (which increased values for 1962 by approximately \$4,000,000).

No. 7. Minerals Produced: Quantity, Value, and Contents, 1959 to 1964

Quantities and values of minerals produced are recorded in the form (i.e., as ores, concentrates, etc.) in which the material leaves the mine or treatment works situated at or near the mine. Actual production is recorded except where, as indicated by footnote, sales are considered the more appropriate basis. The assayed gross contents, as shown in this table, are re-assembled in Table 8 to show the total estimated "mine production" of each metal or element contained in metallic minerals of all kinds.

	Unit of			Quar	ntity					Valu	ue (\$)		
Mineral	Quantity	1959	1960	1961	1962	1963	1964	1959	1960	1961	1962	1963	1964
					Metalli	c Minerals		и					
	· .												
Antimony Concentrates* Antimony Content	ton	1,019.0 625.7	250.0 151.0	187.7 116.3	99.3 65.7	114.5 74.3	413.8 273.2	164,164	37,284	40,012	24,890	26,768	147,184
Autimony Ore* Antimony Content	ton	1.9	3.0 1.6	•••				316	258	•••		***	***
Bauxite Alumina Content	ton ton	4,244 1,648	3,647 1,386	2,437 929	5,225 1,991	7,352 2,801	10,907 4,156	7,428	6,382	4,264	9,144	12,866	19,100
Beryllium Ore* Beryllium Oxide Content	ton ton	47.9 5.6	8.7 1.2	36.3 4.9	9.7 1.3	12.7 1.6	30.5	17,238	3,020	13,910	3,748	3,226	8,054
Copper Ore* Copper Content Silver Content	ton ton oz. fine	58.3 4.4 10	80.2 7.5 7	222.0 20.7 582	32.1 2.9 61		3.0 1.1 60	1,056	1,426	1,996	726	•••	434
Copper Concentrates Copper Content Gold Content Silver Content	ton ton oz. fine oz. fine	4,843 877.0 2,699 56,217	4,228 828.2 3,066 58,760	4,526 896.5 2,556 56,659	642 142.7 302 6,370		1,027.6 212.5 4,600	470,372	458,804	618,208	63,430	• • •	132,560
Copper Precipitates* Copper Content	ton ton	124.4	84.8 62.6	84.3 57.2	135.8 107.0	151.6 117.5	118.9 91.3	43,944	28,928	28,752	51,796	60,136	45,958
Gold Concentrates Gold Content Silver Content	ton oz. fine oz. fine		1.9* 228 150	0.6* 385 98					7,220	12,108			•••
Gold: Other Forms † Gold Content Silver Content Platinum Content	oz. oz. fine oz. fine oz.	515 461 47	1,164 939 121 0.2	586 368 43	488 432 35	394 321 33	838 649 36	14,636	30,418	12,320	13,748	11,216	21,840

^{*} Despatches from the mine (or sales), as distinct from production.

[†] Bullion, alluvial, retorted gold, etc. The value shown includes subsidy received under the (Commonwealth) Gold-mining Industry Assistance Act.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1959 to 1964 (continued)

	Unit of			Quant	ity					Val	ue (\$)		
Mineral	Quantity	1959	1960	1961	1962	1963	1964	1959	1960	1961	1962	1963	1964
					Metallic Min	erals (conti	nued)						
Ilmenite Concentrates* Titanium Dioxide Content	ton ton	230 111	1,192 537	2,012 905	4,288 1,930	5,975 2,689	6,198 2,789	2,884	2,968	4,812	13,546	17,644	18,224
Iron Oxide— For Gas Purification For Cement Manufacture* For Coal Washing*	ton ton ton	1,933 3,281 30	1,589 10,748 386	565 17,922 1,260	634 17,160 1,715	1,182 11,813 1,825	293 13,482 2,869	19,666 13,960 694	18,412 52,606 1,982	6,798 90,692 5,914	6,644 85,854 7,718	10,764 60,806 8,212	3,594 65,744 14,344
Lead Concentrates Lead Content Silver Content Gold Content Antimony Content Cadmium Content Copper Content Sulphur Content Zinc Content	ton ton oz. fine oz. fine ton ton ton ton ton	323,633 242,323 8,169,920 8,396 651.9 72.2 2,323.2 48,042	310,408 231,658 8,002,023 7,679 631.6 67.8 2,133.6 46,715	277,910 207,716 7,050,980 7,088 563.0 54.7 2,044.7 42,667 12,256	384,535 289,090 9,643,454 8,902 808.3 71.7 3,094.8 57,848 17,257	429,944 324,461 11,058,747 9,485 932.7 87.8 3,319.5 64,695 18,530	292,431	33,687,360	30,630,572	25,881,670	28,200,604	41,637,112	61,090,912
Lead Concentrates from Slime Dumps* Lead Content Silver Content	ton ton oz. fine						393 37 7,053	•••					10,634
Lead Concentrates from Mill Salvage* Lead Content Silver Content	ton ton oz. fine						3 1 109		•••			•••	388
Lead Slag* Lead Content Silver Content	ton ton oz. fine						63 7 425			*			1,406
Lithium Lithium Oxide Content	ton ton		14.7	24.4 1.9	28.3 2.3	20.4			706	950	1,080	86 0	
Manganese Ore*- Battery Grade Manganese Dioxide Content Metallurgical Grade Manganese Content Other Grades Manganese Dioxide Content	ton ton ton	1,206 898 1,360 620 12	838 616 724 342 11	883 632 	583 424 	624 467 	237 153 99 72	54,026 36,076 470	37,890 17,910 400	39,056	26,420	30,064	6,172 3,512

^{*} Despatches from the mine (or sales), as distinct from production.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1959 to 1964 (continued)

	Unit of			Quar	itity					Valu	e (\$)		
Mineral	Quantity	1959	1960	1961	1962	1963	1964	1959	1960	1961	1962	1963	1964
					Metallic Min	erals (contir	nued)						
Molybdenite Concentrates* Molybdenum Sulphide Content Bismuth Content	lb. lb. lb.	•••		2,300 2,070 					•••	600	•••		•••
Monazite Concentrates* Monazite Content	ton ton	187 173	40 38	154 144	145 136	515 471	666 599	39,562	2,784	8,666	9,726	42,968	58,788
Platinum Concentrates* Platinum Content Palladium Content Osmiridium Content Gold Content	oz. oz. oz. oz.		7.0 4.1 0.2	3.0 2.0 	3.0 2.0 	6.0 4.0 			362	170	170	280	
Pyrite Concentrates Sulphur Content	ton ton	34,550 16,577	32,770 15,637	31,138 14,949	4,130 2,012	•••	***	320,234	322,558	268,236	179,402†	•••	•••
Pyrite in Tailings* Sulphur Content	ton ton		•••	•••	0 0 0 0,0 0	•••	3,280 886	***	***	•••	•••	•••	3,280
Rutile Concentrates Titanium Dioxide Content	ton ton	46,283 44,792	54,002 52,262	66,607 64,284	80,171 77,227	135,149 129,931	131,549 126,319	3,622,754	3,944,318	4,050,198	4,293,456	8,241,072	8,521,774
Silver Concentrates* Silver Content	ton oz. fine		•••				150 16,500	***	•••	•••	•••	•••	6,600
Silver-Copper Concentrates* Silver Content Copper Content	ton oz. fine ton			116 25,520 9.3	78 10,303 3.7	•••		•••	•••	12,662	6,278		•••
Silver-Lead Ore* Silver Content Lead Content Zinc Content	ton oz. fine ton	181 5,109 33	253 6,527 44	245 4,465 42	328 6,560 51	1,573 27,131 180	10,009 132,875 1,272 387	5,050	6,618	6,342	7,274	29,162	198,600
Tin Concentrates* Tin Content	ton ton	240 174	307 223	238 173	293 212	352 250	1,036 671	303,004	384,664	341,072	422,468	509,078	1,945,470

^{*} Despatches from the mine (or sales), as distinct from production.
† Includes bounty payments made in respect of the previous year's production.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1959 to 1964 (continued)

	Unit of			Quan	itity					Valu	e (\$)		
Mineral	Quantity	1959	1960	1961	1962	1963	1964	1959	1960	1961	1962	1963	1964
					Metallic Mir	n erals (contin	ued)						
Tungsten Concentrates*.— Scheelite Concentrates Tungstic Oxide Content Wolfram Concentrates Tungstic Oxide Content Wolfram-Scheelite Concentrates Tungstic Oxide Content		1,359 1,007 	644 463 					408	298	44			
Zinc Concentrates Zinc Content Lead Content Sulphur Content Silver Content Cadmium Content Copper Content Gold Content Cobalt Content Manganese Content	ton ton ton oz. fine ton oz. fine ton oz. fine	387,452 202,675 4,093 124,273 323,900 729.0 440.4 1,719 60.1 5,585	444,652 234,170 4,166 142,006 330,301 825.6 540.1 1,716 64.7 5,207	225,578 3,921 137,043 309,610 789.9 481.8	428,282 227,606 3,240 136,933 262,396 848.3 395.7 1,598 76.5 5,646	465,158 247,107 3,821 148,017 338,947 946.9 425.9 1,589 85.7 6,746	453,232 240,630 3,206 144,218 310,410 899.0 378.0 1,464 73.3 6,156	7,414,636	12,439,920	8,632,568	6,652,914	12,820,502	26,678,556
Zircon Concentrates Zircon Content	ton ton	71,777 71,156	66,328 65,764		91,298 89,947	119,586 117,520	118,294 117,044	1,239,438	1,203,862	1,793,020	1,692,772	2,270,404	2,217,900
Zircon-Rutile Concentrates* Zircon Content Titanium Dioxide Content	ton ton ton	47,448 16,607 16,132	50,310 17,610 17,105	22,801	72,567 32,267 21,196	93,640 41,668 28,608	97,204 35,817 31,555	422,288	392,418	370,412	377,348	551,996	590,008
Total Value, Metallic Minerals	•••				•••		•••	47,901,664	50,034,988	42,245,496	42,151,156	66,345,136	101,811,036
					Fu	uel Minerals							
Coal, Black (Bituminous)	ton	15,712,440	17,736,994	19,020,805	19,030,418	18,940,206	20,699,056	74,873,308	85,353,902	90,224,786	94,067,658†	90,837,794	97,251,656
Total Value, Fuel Minerals	•••		•••	• • •	•••	•••		74,873,308	85,353,902	90,224,786	94,067,658†	90,837,794	97,251,656

^{*} Despatches from the mine (or sales), as distinct from production.
† Not strictly comparable with earlier years because of a revised method of valuation of certain mines (which increased values for 1962 by approximately \$4,000,000).

No. 7. Minerals Produced: Quantity, Value, and Contents, 1959 to 1964 (continued)

	Unit of			Qua	ntity					Valu	e (\$)		
Mineral	Quantity	1959	1960	1961	1962	1963	1964	1959	1960	1961	1962	1963	1964
					Non-m	etallic Miner	als						
Asbestos, Chrysotile: Fibre Fines	ton ton	558 90	852 105	694 15	770 4	834	1,034	130,824 2,282	210,724 2,708	172,232 388	190,510	205,956	217,960
Barite Chlorite‡ Clays —	ton ton	60	60	60 373	435 351	1,540 320	1,299 331		222	216 6,148	1,580 5,622	11,586 5,130	9,092 5,310
Kaoline and Ball Clay — For Refractories For Pottery For Other Purposes Other Pottery Clay and Shale Bentonitic Clay	ton ton ton ton ton	13,904 4,538 5,446 1,771 56	21,220 11,465 5,288 1,297	26,015 5,987 5,864 575	11,130 3,795 6,147	6,594 5,736 14,831	11,115 6,584 4,390 3,063	52,870 30,902 53,914 1,592 560	83,838 35,604 51,998 1,736 170	89,698 27,908 37,160 548	49,124 20,822 43,036	28,538 29,058 61,554	42,734 38,338 34,012 20,860
Brick Clay and Shale Cement Clay and Shale Fireclay Fuller's Earth Moulder's Clay Stoneware Clay	ton ton ton ton ton	1,893,440 121,460 89,988 136 199 64,345	2,077,518 177,624 88,872 90 223 75,353	2,005,679 158,527 113,055 151 162 107,614	1,966,322 274,351 120,753 272 176 101,187	1,987,381 189,974 104,578 70 142 94,849	2,059,007 208,678 102,298 45 101 123,626	1,364,956 86,592 150,264 1,360 3,782 76,332	1,599,940 113,266 136,638 900 1,498 83,300	1,414,146 114,252 220,774 1,510 2,436 119,340	1,486,098 134,632 231,706 2,182 3,080 125,442	1,934,644 122,154 283,924 600 2,486 113,000	2,003,516 126,350 261,016 450 1,706 147,158
Terra Cotta Clay — For Roofing Tiles For Other Purposes	ton ton	132,111 7,289	121,576 4,516	144,555 4,432	101,513 4,005	78,698 9,951	111,963 2,800	161,428 8,872	160,610 4,616	157,136 4,366	113,772 2,600	96,000 9,388	125,164 2,460
Diamonds, Industrial	carat	37	6	• • •	•••			296	40				
Diatomite	ton	4,409	3,941	4,331	4,318	2,837	3,261	34,678	30,760	33,482	28,654	20,984	24,150
Dolomite*	ton	3,776	3,357	4,796	4,919	4,481	5,545	41,538	33,580	42,440	43,540	39,270	56,840
Felspar (including Cornish Stone)	ton	4,700	5,325	5,378	5,925	6,690	6,136	41,168	54,018	57,182	61,942	81,778	84,140
Fluorspar	ton		•••	•••		15				•••		180	
Gems: Opal† Sapphire Rhodonite								46,222 3,460	78,946 5,976 3,204	130,000 6,664 1,500	200,000 62,258 1,478	250,000 48,686 3,348	290,000 113,040 1,872
Gypsum: Washed Unwashed Total, Gypsum	ton ton ton	66,215 34,928 101,143	63,611 31,903 95,514	55,036 42,214 97,250	30,737 41,065 71,802	32,999 29,248 62,247	37,361 27,223 64,584	288,332 122,978 411,310	299,292 103,010 402,302	272,016 126,370 398,386	147,638 127,052 274,690	164,002 92,220 256,222	167,518 85,894 253,412
Limestone*	ton	2,050,253	2,394,124	2,569,232	2,427,711	2,524,253	2,700,285	1,845,440	2,020,688	2,531,628	2,498,398	2,796,710	2,991,710
Loam, for Foundry Moulding	ton	15,410	16,206	19,306	16,259	16,174	14,227	25,446	23,954	29,740	23,852	23,712	20,792
Magnesite, Crude	ton	59,777	61,668	88,511	61,672	49,909	29,281	506,510	518,838	761,536	549,860	466,612	282,010

^{*} Excludes material used directly as a building or road material — see "Construction Materials" on page 15.

[‡] In 1960 and earlier years, Chlorite was included with Pyrophyllite.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1959 to 1964 (continued)

	Unit of			Quar	ntity					Value	e (\$)	,	
Mineral	Quantity	1959	1960	1961	1962	1963	1964	1959	1960	1961	1962	1963	1964
					Metallic Mir	nerals (contin	nued)	II.					
Mica Mineral Pigments — Brown Umber Red Ochre Yellow Ochre	ton ton ton ton	3 15		•••	•••	•••		96 150	 274 150				•••
Pebbles, for Grinding Perlite Pyrophyllite†	ton ton ton	130 347	85 501	79 915	116 100 931	32 837	12 381	1,224 4,856	890 8,246	750 14,734	1,064 200 13,930	284 11,020	106 ***,066
Quartz *: For Ferro Alloys For Other Purposes	ton ton	1,674	1,444	1,113	1,779	2,624	2,175	11,294	12,312	9,352	12,144	18,948	16,604
Quartzite * — For Ferro Alloys For Silica Bricks For Other Purposes ‡	ton ton ton	38,619 141	15,225 37,639 130	10,792 46,230 59	10,852 27,936 45	10,547 20,621 29	6,384 25,371 100	150.894 882	37,632 150,502 888	21,584 182,498 228	39,690 112.778 194	44,478 97,774 124	25,450 167,026 360
Sand * : Foundry Sand Glass Sand Other Sand	ton ton ton	4,579 78,511 506	3,768 99,301 4,183	5,328 83,503 340	10,858 101,949 1,988	32,570 86,505 1,865	73,290 113,404 235	9,750 244,418 2,440	13,452 101,114 7,466	7,188 78,018 1,966	14,950 103,276 20,058	34,510 88,194 2,278	63,932 113,308 938
Sandstone * — Grinding Stones For Foundry Sand For Other Purposes	ton ton ton	59 1,479 350	64 3,500 193	64 3,100 292	42 2,640 494	106 1,643 1,200	57 1,727 1,104	1,152 3,840 1,774	2,220 9,100 804	1,850 8,060 1,166	1,186 6,864 2,104	2,100 5,090 4,850	1,200 5,786 4,444
Sea Shells — For Cement For Other Purposes	ton ton	5,634	5,973	6,367	4,260	3,999	4,918	69,650	74,464	60,682	41,804	* 3 8,374	63,198
Serpentine, for Refractories Siderite Shale Ash‡ Sillimanite	ton ton ton ton	920 46	1,057	909 2 70 254	1,065 10 37 1,278	605 50 1,738	604 36 1,098	1,518 ::: 618	2,334	2,136 80 468 3,530	2,506 450 252 19,170	1,420 296 29,732	1,440 240 19,418
Talc (including Steatite)	ton	1,089	1,136	825	720	864	1,366	10,128	10,364	6,754	6,318	7,188	15,680
Total Value, Non-metallic Minerals	***	• • •	• • •	•••	•••		•••	5,597,474	6,092,286	6,761,860	6,553,916	7,278,268	7,661,406

^{*} Excludes material used directly as a building or road material. - see "Construction Materials" on next page.

[†] In 1960 and earlier years, Chlorite was included with Pyrophyllite.

[‡] In 1960 and earlier years, Shale Ash was included with Quartzite, for Other Purposes.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1959 to 1964 (continued)

	Unit of			Qua	ntity					Valu	e (\$)		
Mineral	Quantity	1959	1960	1961	1962	1963	1964	1959	1960	1961	1962	1963	1964
					Constru	ction Materia	ls						
Crushed and Broken Stone — Basalt Granite Limestone Marble Porphyry Quartzite Sandstone Unspecified	ton ton ton ton ton ton ton ton ton	2,236,534 76,177 51,523 235 52,029 24,393	2,701,033 279,596 20,852 148 16,445 77,223 2,125	3,103,100 268,701 42,337 2,871 259,614 35,203 59,487 22,641	3,287,433 287,516 92,645 2,774 127,588 28,420 88,517 32,652	3,166,845. 321,955 91,419 572 123,685 29,605 68,315 6,471	3,398,348 144,851 108,641 125 180,173 32,464 95,625 9,331	3,616,184 292,756 119,260 1,784 89,130 50,514	4,411,450 487,266 82,648 3,178 58,454 193,038 6,270	5,336,838 512,062 87,408 12,886 674,836 107,688 140,558 14,738	5,368,092 619,952 144,412 15,782 344,488 78,850 157,196 27,448	5,893,360 540,648 127,878 5,556 383,446 63,562 148,928 16,052	6,728,510 316,642 172,506 874 381,354 87,646 161,526 30,042
Dimension Stone — Building and Monumental Stone — Rough — Basalt Granite Limestone Marble Quartzite Sandstone Unspecified	ton ton ton ton ton ton	18,675 50,782 516 57,458 1,570	89,981 5,021 410 6,432 120 25,156 188	196,608 1,281 400 161 610 115,923 290	33,595 771 42 56 268 121,295 666	139,200 1,655 353 119,846 70,950	191,838 765 780 63 570 31,446 111,185	35,040 83,204 1,912 52,182 1,480	90,338 19,864 6,854 38,060 720 23,538 300	198,798 10,626 6,000 402 1,640 134,942 440	34,576 13,530 104 140 220 117,892 1,000	103,800 26,104 290 98,972 139,880	190,200 2,008 600 442 1,790 36,412 221,500
Dressed — Basalt Granite Marble Sandstone Unspecified	ton ton ton ton ton	15 322 24,520	12 328 26,286 	18 642 31,812	11 117 1,067 35,366	1,200 32,984 25	 1,258 38,082 17	1,224 10,210 389,166	1,302 16,000 394,812	1,656 83,124 418,226	1,290 5,400 108,770 436,966	1,630 154,000 478,034 1,300	1,140 124,432 499,978 480
Curbing and Flagging — Basalt Quartzite Sandstone	ton ton ton	 3,362	 201 3,166	 6,166	 4,137	 4,927	 32 4,535	 49,080	1,810 65,522	63,294	56,414	61,294	 640 56,252
River Gravel and Gravel Boulders Sand Other Road Material	ton ton ton	1,408,280 2,144,938 13,034,079	1,770,063 2,144,938 15,055,115	1,449,680 2,974,792 14,798,194	1,491,879 2,957,097 15,491,250	1,853,105 3,670,468 18,232,424	2,013,324 5,126,509 20,240,081	2,163,636 1,612,256 5,661,084	3,073,156 2,212,312 7,005,496	2,283,820 1,951,198 5,439,238	2,344,744 1,988,596 5,788,598	3,088,356 2,606,314 6,950,452	3,538,694 3,959,614 10,061,164
Total Value, Construction Materials								14,230,102	18,192,388	17,480,418	17,654,460	20,889,856	26,574,446
					All Minin	g and Quarry	ing						
Total Value of Output		•••	•••					142,602,548	159,673,564	156,712,560	160,427,190	185,351,054	233,298,544

No. 8. Contents of Metallic Minerals Produced, 1955 to 1964

The contents of metallic minerals produced in N.S.W., as set out in Table 7, are re-assembled below to show the "mine production" of each metal or element for which the ores, concentrates, etc., are to be further treated. These totals represent gross contents, as determined by assay, and make no allowance for losses in smelting and refining. The quantities shown are therefore, in general, greater than those actually recoverable. The dissection between contents "Available for Recovery in Australia" and "Destined for Export in Ores, etc." is based on preliminary advices received from producers or one buyers.

	1955	1956	1957	1958	1959	1960	1961	1962	1963		1964	
Mineral in which Contained	Total	Total	Total	Total	Total	Total	Total	Total	Total	A vailable for Recovery in Australia		Total
				Ant	imony (tons)							
Antimony Concentrates Antimony Ore Lead Concentrates	204.3 30.9 615.1	222.4 41.0 615.7	446.4 37.9 724.2	661.0 29.9 664.4	625.7 1.2 651.9	151.0 1.6 631.6	116.3 563.0	65.7 808.3	74.3 932.7	0.2 672.0	273.0 171.0	273.2 843.0
Total Antimony	850.3	879.1	1,208.5	1,355.3	1,278.8	784.2	679.3	874.0	1,007.0	672.2	444.0	1,116.2
				Cad	Amium (tons)					W.		
Lead Concentrates Zinc Concentrates	69.1 725.9	69.4 792.4	76.2 848.2	73.9 738.4	72.2 729.0	67.8 825.6	54.7 789.9	71.7 848.3	87.8 946.9	61.1 609.9	12.7 289.1	73.8 899.0
Total Cadmium	795.0	861.8	924.4	812.3	801.2	893.4	844.6	920.0	1,034.7	671.0	301.8	972.8
		1	1	C	obalt (tons)	1				11		
Zinc Concentrates	60.7	59.2	68.1	70.4	60.1	64.7	64.9	76.5	85.7	40.6	32.7	73.3
Zille collectifiates												

No. 8. Contents of Metallic Minerals Produced, 1955 to 1964 (continued)

			or meralific		1							
	1955	1956	1957	1958	1959	1960	1961	1962	1963		1964	
Mineral in which Contained	Total	Total	Total	Total	Total	Total	Total	Total	Total	Available for Recovery in Australia		Total
		-		Copper	(tons)							
Copper Ore Copper Concentrates Copper Matte	2.8 734.5 0.1	19.4 993.3	1.3 920.9	1.6 985.9	4.4 877.0	7.5 828.2 	207 896.5	2.9 142.7	•••	1.1 212.5		1.1 212.5
Copper Precipitates Gold Concentrates	63.3	43.2	41.0	65.9 0.4	83.1	62.6	57.2	107.0	117.5	91.3		91.3
Lead Concentrates Lead-Copper Concentrates	2,067.7 188.5	2,692.6	2,869.8	2,507.3	2,3232	2,133.6	2,044.7	3,094.8	3,319.5	322.9	2,624.1	2,947.0
Silver-Copper Concentrates Zinc Concentrates	435.1	539.7	548.4	462.3	440.4	540.1	9.3 481.8	395.7	425.9	242.2	135.8	378.0
Total Copper	3,492.1	4,288.6	4,381.8	4,023.4	3,728.1	3,572.0	3,510.2	3,746.8	3,862.9	870.0	2,759.9	3,629.9
ger				Gold (oz. fine)							
Copper Ore Copper Concentrates Gold Ore Gold Concentrates Gold: Other Forms Lead Concentrates Lead-Copper Concentrates Platinum Concentrates Silver-Lead Ore Zinc Concentrates	2,417 4 522 17,601 7,287 557 	3,000 298 15,744 8,497 	1 3,178 36 540 16,840 8,872 1,575	3,197 319 4,678 8,571 15 1,929	2,699 461 8,396 	3,066 228 939 7,679 	2,556 385 368 7,088 	302 432 8,902 1,598	321 9,485 1,589	649 6,478 	 1,978 	 649 8,456
Total Gold	30,067	28,821	31,043	18,709	13,275	13,628	12,034	11,234	11,395	8,177	2,392	10,569
				Lead (tons)							
Lead Concentrates Lead-Copper Concentrates Lead Concentrates—	225,783	229,991	259,656	241,521	242,323	231,658	207,716	289,090	324,461	226,360	66,071	292,431
from Slime Dumps from Mill Salvage Lead Slag	1,075 	1,017	508			•••		•••	•••	37		37 1 7
Silver-Lead Ore Silver-Lead Slimes Zinc Concentrates	3,110 4,620	2,119 221 4,967	1,374 87 5,303	729 4,646	33 4,093	4,166	3,921	51 3,240	180 3,821	1,272 2,109	1,097	1,272 3,206
Total Lead	234,854	238,319	266,928	246,896	246,449	235,868	211,679	292,381	328,462	229,786	67,168	296,954

No. 8. Contents of Metallic Minerals Produced, 1955 to 1964 (continued)

	1955	1956	1957	1958	1959	1960	1961	1962	1963		1964	
Mineral in which Contained	Total	Total	Total	Total	Total	Total	Total	Total	Total	Available for Recovery in Australia	Destined for Export in Ores, etc.	Total
			Moly	bdenum (lb.	Molybdenum S	ulphide)						
Molybdenite Concentrates	51		•••	•••	•••	• • •	2,070	•••	•••		• • •	•••,
Total Molybdenum	51	•••	•••	•••	•••	• • •	2,070	•••	•••	•••	•••	•••
	•			Platin	um (oz.)							
Gold: Other Forms Platinum Concentrates	6.7			21.6		0.2 4.1	2.0	2.0	4.0	***		•••
Total Platinum	6.7	18.2	17.3	21.6		4.3	2.0	2.0	4.0		•••	***
				Silver (oz. fine)	1						,
Copper Ore Copper Matte Gold Concentrates Gold: Other Forms Lead Concentrates Lead-Copper Concentrates Lead Concentrates from Slime Dumps from Mill Salvage Lead Slag. Silver Concentrates Silver-Lead Ore Silver-Lead Slimes Zinc Concentrates Total Silver	56,218 13 429 364 7,612,343 92,452 110,497 893 584,207 365,795 8,823,211	1,364 72,880 219 386 8,301,438 72,705 256 424,212 20,408 395,715 9,289,583	25 74,565 356 577 9,065,276 40,954 345,953 6,478 434,918 9,969,102	 64,736 336 256 8,509,147 58,653 359,165 8,992,293	10 56,217 47 8,169,920 5,109 323,900 8,555,203	7 58,760 150 121 8,002,023 6,527 330,301 8,397,889	582 56,659 98 43 7,050,980 25,520 4,465 309,610 7,447,957	61 6,370 35 9,643,454 10,303 6,560 262,396 9,929,179	 33 11,058,747 27,131 338,947	7,053 109 425 132,875 223,828	2,092,963 2,092,963 16,500 86,582 2,196,045	7,053 10,262,744 7,053 105 16,500 132,875 310,410
Lead-Copper Concentrates Lead Concentrates Pyrite Concentrates Pyrite in Tailings Zinc Concentrates	370 46,190 11,236 128,884	47,032 540 139,515	52,595 7,117 	49,559 17,715	48,042 16,577 124,273	46,715 15,637 142,006	42,667 14,949 	57,848 2,012 136,933	64,695 148,017	45,461 886 93,546	i2,316 50,672	57,777 886 144,218
Total Sulphur	186,680	187,087	207,604	197,736	188,892	204,358	194,659	196,793	212,712	139,893	62,988	202,88

No. 8. Contents of Metallic Minerals Produced, 1955 to 1964 (continued)

	1955	1956	1957	1958	1959	1960	1961	1962	1963		1964	
Mineral in which Contained	Total	Total	Total	Total	Total	Total	Total	Total	Total	Available for Recovery in Australia	Destined for Export in Ores, etc.	Total
				Tin	(tons)						,	
Tin Concentrates	270	269	211	239	174	223	173	212	250	671		671
Total Tin	270	269	211	239	174	223	173	212	250	671		671
				Titanium (to	ns Titanium D	ioxide)						
Ilmenite Concentrates Rutile Concentrates Zircon-Rutile Concentrates	212† 33,045 4,085	420† 62,470 7,407	485 83,363 13,311	59 44,915 11,609	111 44,792 16,132	537 52,262 17,105	905 64,284 21,278	1,930 77,227 21,196	2,689 129,931 28,608	* *	* * * *	2,789 126,319 31,555
Total Rutile	37,342	70,297	97,159	56,583	61,035	69,904	86,467	100,353	161,228	*	*	160,663
				Tungsten (I	b. Tungstic O	xide)			•			
Scheelite Concentrates Tin-Tungsten Concentrates Wolfram Concentrates Wolfram-Scheelite Concentrates	6,438 2,594 7,898	3,890 5,787 205	2,690 585 113	2,504	1,007	463	 123 109 					
Total Tungsten	16,930	9,882	3,388	2,504	1,007	463	232	•••	•••	•••	•••	•••
				Zin	c (tons)							
Lead Concentrates Silver-Lead Ore Zinc Concentrates	211,478	 229,126	 24 1,509	 211,667	 202,675	234,170	12,256 225,578	17,257 227,606	18,530 247,107	12,011 387 156,697	2,973 83,933	14,984 387 240,630
Total Zinc	211,478	229,126	241,509	211,667	202,675	234,170	237,834	244,863	265,637	169,095	86,906	256,001

^{*} Not available — mainly "Destined for Export".
† Estimated.

No. 9. Mine Production* of Principal Metals and Sulphur, 1954 to 1964

Year	Antimony	Cadmium	Cobalt	Copper	Gold	Lead
1954 1955 1956 1957 1958 1959	Tons 696.7 850.3 879.1 1,208.5 1,355.3 1,278.8	Tons 825.5 795,0 861.8 924.4 812.3 801.2	Tons 68.5 60.7 59.2 68.1 70.4 60.1	Tons 3,182.5 3,492.1 4,288.6 4,381.8 4,023.4 3,728.1	Oz. fine 31,374 30,067 28,821 31.043 18,709 13,275	Tons 230,392 234,854 238,319 266,928 246,896 246,449
1960 1961 1962 1963 1964	784.2 679.3 874.0 1,007.0 1,116.2	893.4 844.6 920.0 1,034.7 972.8	64.7 64.9 76.5 85.7 73.3	3,572.0 3,510.2 3,746.8 3,862.9 3,629.9	13,628 12,034 11,234 11,395 10,569	235,868 211,679 292,381 328,462 296,954
Year	Silver	Sulphur	Tin	Titanium †	Tungsten	Zinc
1954 1955 1956 1957 1958 1959	Oz. fine 8,680,114 8,823,211 9,289,583 9,969,102 8,992,293 8,555,203	Tons 174,312 186,680 187,087 207,604 197,736 198,892	Tons 272 270 269 211 239 174	Tons TiO ₂ 24,722 37,342 70,297 97,159 56,583 61,035	1b. WO ₃ 18,912 16,930 9,882 3,388 2,504 1,007	Tons 202,646 211,478 229,126 241,509 211,667 202,675
1960 1961 1962 1963 1964	8,397,889 7,447,957 9,929,179 11,424,585 10,734,812	204,358 194,659 196,793 212,712 202,881	223 173 212 250 671	69,904 86,467 100,353 161,228 160,663	463 232 	234,170 237,834 244,863 265,637 256,001

These are gross contents of metallic minerals produced, as determined by assay, and make no allowance for losses in smelting and refining. The quantities shown are therefore, in general, greater than those actually recoverable.

Titanium dioxide content of ilmenite, rutile, and zircon-rutile concentrates.

No. 10. London Metal Prices*, 1939 to 1964

Year	Copper (Electrolytic)	Silver	Lead	Zinc (Virgin)	Tin
f ear	£ s. d. per ton	s. d. per oz. fine		£. s. d. per ton	
1939	49 16 10	1 10.02	15 13 2	14 13 3	226 5 8
1954	248 11 9	6 1.48	96 7 1	78 4 8	718 18 3
1955	351 8 4	6 5.51	105 17 8	90 13 10	740 4 8
1956	328 18 6	6 7.13	116 6 7	97 15 4	787 13 5
1957	219 9 10	6 6.93	96 13 4	81 12 4	754 16 10
1958	197 7 8	6 4.21	72 16 1	65 18 1	735 0 8
1959	237 15 2	6 6.82	70 15 9	82 2 6	785 4 2
1960	245 19 2	6 7.38	72 2 11	89 6 4	796 12 8
1961	229 11 5	6 8.25	64 4 2	77 15 1	887 18 11
1962	233 19 8	7 7.56	56 6 5	67 9 3	896 12 8
1963	234 2 10†	9 2,13	63 8 7	76 15 4	909 17 4
1964	351 1 4	9 3.92	101 0 9	117 17 9	1,236 18 3

^{*} Spot prices, average of buyers' and sellers' quotes. The prices are annual averages, quoted in sterling.
† Revised.

No. 11. Prices of Metals in Australia*, 1939 to 1964

Year	Copper (Electrolytic)	Lead	Zinc (Electrolytic)	Tin
		\$ pe	r ton	
1939†	127.75	41.75	40.25	598.00
1954	624.17	229.48	201.85	1,827.28
1955	872.33	254.58	228.64	1,902.72
1956	872.88	279.20	245.01	2,039.95
1957	681.82	232.57	206.92	1,983.33
1958	616.95	173.62	181.56	1,990.45
1959	624.66	200.00	210.89	2,116.12
1960	649.08	200.00	226.31	2,083.92
1961	613.23	198.68	204.18	2,335.75
1962	610.00	164.38	212.25	2,328.90
1963	610.00	169.18	218.28	2,358.50
1964	656.13	239.08	302.42	3,190.12

Annual average home consumption selling prices. The bases are — copper: ex-works, Port Kembla; lead: f.o.b. Port Prire; zinc: f.o.b. Risdon until June, 1962, and c.i.f. Sydney from July, 1962 (average for 1962 is on the basis of c.i.f. Sydney); tin: delivered, Sydney (ex-works, Sydney, before 1954). Price controls, imposed on these metals in December, 1939, were removed from lead, zinc, and tin in April, 1953, and from copper in October, 1954.

The official price of gold has been \$31.25 per ounce fine since May, 1954.

[†] At 31st December.

No 12. Coal Produced, 1954 to 1964.

		Undergro	und Mines			Open Cu	ut Mines			Total, A	II Mines	
Year	Northern District	Southern District	Western District	Total, N.S.W.	Northern District	Southern District	Western District	Total, N.S.W.	Northern District	Southern District	Western District	Total, N.S.W.
						Thousa	nd tons					
1954 1955 1956 1957 1958 1959	8,627 8,484 8,360 8,480 8,864 8,904	3,366 3,595 3,982 4,556 4,693 4,812	1,710 1,756 1,658 1,626 1,574 1,562	13,703 13,835 14,000 14,662 15,131 15,278	919 806 810 728 720 434	•••	461 95 	1,380 901 810 728 720 434	9,546 9,290 9,170 9.208 9,584 9,338	3,366 3,595 3,982 4,556 4,693 4,812	2,171 1,851 1,658 1,626 1,574 1,562	15,083 14,736 14,810 15,390 15,851 15,712
1960 1961 1962 1963 1964	9,669 9,545 9,224 8,882 9,994	5,735 7,058 7,454 7,817 8,395	1,578 1,586 1,518 1,639 1,594	16,982 18,189 18,196 18,338 19,983	755 832 834 602 716		•••	75 5 832 834 602 716	10,424 10,377 10,058 9,484 10,710	5,735 7,058 7,454 7,817 8,395	1,578 1,586 1,518 1,639 1,594	17,737 19,021 19,030 18,940 20,699

No. 13. Underground Coal Mines: Coal Mechanically Cut and Loaded, 1954 to 1964

		Coal Mecha	nically Cut			Coal Mechan	ically Loaded	
Year	Northern	Southern	Western	All	Northern	Southern	Western	All
	District	District	District	Districts	District	District	District	Districts
			Prop	ortion per cent.	of Total Produ	ection		
1954	52.8	77.9	46.4	58.2	55.8	76.1	62.0	61.6
1955	57.4	81.0	57.2	63.5	61.4	80.2	64.3	66.7
1956	58.6	81.4	65.5	66.0	65.7	81.1	73.1	70.9
1957	67.4	83.8	74.4	73.3	72.6	84.6	81.8	77.3
1958	75.5	83.4	88.3	79.3	78.6	83.9	91.8	81.6
1959	86.4	88.5	89.5	87.4	87.8	88.3	90.4	88.2
1960	87.6	91.0	89.7	88.9	93.2	91.5	90.2	92.4
1961	90.0	94.1	92.5	91.8	95.5	95.4	93.1	95.2
1962	92.0	95.0	94.8	93.5	96.4	96.1	98.7	96.5
1963	91.7	95.8	95.1	93.8	97.1	96.4	98.5	96.9
1964	93.4	96.1	96.1	94.8	98.1	96.5	97.4	97.4

No. 14. Manshifts Worked and Lost in Coal Mines, 1954 to 1964.

	1								1			
		Manshift	s Worked			Manshif	ts Lost			Manshifts	Possible	
Year	Northern District	Southern District	Western District	All Districts	Northern District	Southern District	Western District	All Districts	Northern District	Southern District	Western District	A I District
						Thousand	Manshifts	S				
					Underg	round Mir	nes					
1954 1955 1956 1957 1958 1959	2,870 2,760 2,615 2,362 2,184 1,870	909 891 958 991 1,013 983	442 431 371 322 284 263	4,221 4,082 3,944 3,675 3,481 3,116	498 501 380 346 275 181	142 142 161 166 149 139	62 61 46 37 25 24	702 704 587 549 449 344	3,368 3,261 2,995 2,708 2,459 2,051	1,051 1,033 1,119 1,157 1,162 1,122	504 492 417 359 309 287	4,92 4,78 4,53 4,22 3,93 3,46
1960 1961 1962 1963 1964	1,849 1,571 1,465 1,323 1,328	1,048 1,108 1,087 1,081 1,124	254 238 216 202 179	3,151 2,917 2,768 2,606 2,631	181 114 108 90 80	144 132 127 115 128	21 20 18 16 13	346 266 253 221 221	2,030 1,685 1,573 1,413 1,408	1,192 1,240 1,214 1,196 1,252	275 258 234 218 192	3,49 3,18 3,02 2,82 2,85
	<u>'</u>				Open	Cut Mine	s					
1954 1955 1956 1957 1958 1959	104 88 78 65 70 35	•••	50 10 	154 98 78 65 70 35	8 10 5 4 3 2			11 10 5 4 3 2	112 98 83 69 73 37	•••	53 10 	16 10 8 6 7
1960 1961 1962 1963 1964	34 37 37 32 33	•••	•••	34 37 37 32 33	1 1 2 1 1	•••	•••	1 1 2 1	35 38 39 33 34	•••	•••	3 3 3 3 3

No. 15. Coal Produced per Manshift Worked, 1954 to 1964

The following statistics were compiled by the Joint Coal Board. They exclude mines in course of development prior to commencement of coal production.

				Undergrou	und Mines					Open C	ut Mines	
Year	Produc	tion per M Coal	anshift w	orked at		ion per Mo II Person:				tion per M VII Person		
	Northern District	Southern District	Western District	AII Districts	Northern District	Southern District	Western District	A I Districts	Northern District		Western District	A Districts
						То	ns					
1954 1955 1956 1957 1958 1959	9.23 9.59 10.13 11.89 13.51 18.02	13.34 14.63 14.53 15.64 15.74 18.04	10.59 11.27 13.23 15.17 17.40 18.47	10.16 10.76 11.43 13.19 14.48 18.07	3.01 3.07 3.20 3.59 4.06 4.76	3.70 4.03 4.16 4.60 4.63 4.89	3.87 4.08 4.47 5.05 5.55 5.95	3.25 3.39 3.55 3.99 4.35 4.90	8.84 9.14 10.36 11.11 11.31 12.47		9.24 9.50	8.97 9.18 10.36 11.11 11.31 12.47
1960 1961 1962 1963 1964	20.12 25.17 26.27 27.52 31.82	21.67 24.41 26.18 27.27 28.14	20.32 22.44 22.98 25.93 32.03	20.64 24.61 25.92 27.26 30.18	5.23 6.07 6.29 6.71 7.53	5.47 6.37 6.86 7.23 7.47	6.20 6.65 7.03 8.11 8.89	5.39 6.23 6.57 7.04 7.60	22.15 22.29 22.42 18.86 21.48	•••	• • • •	22.15 22.29 22.42 18.86 21.48

No. 16. Coal Mining: Persons Employed, 1954 to 1964 Underground and Open Cut Mines

	N	umber Employe	d at End of Yea	ar	Average Number Employed during Whole Year						
Year	Northern	Southern	Western	Total,	Northern	Southern	Western	Total,			
	District	District	District	N.S.W.	District	District	District	N.S.W.			
1954	13,345	4,103	2,099	19,547	13,649	4,181	2,149	19,979			
1955	12,692	4,121	1,685	18,498	13,197	4,115	1,948	19,260			
1956	11,740	4,363	1,610	17,713	11,985	4,305	1,628	17,918			
1957	10,328	4,465	1,223	16,016	10,830	4,411	1,381	16,622			
1958	8,835	4,359	1,155	14,349	9,826	4,453	1,184	15,463			
1959	7,976	4,218	1,071	13,265	8,037	4,311	1,097	13,445			
1960	7,399	4,465	1,042	12,906	7,812	4,414	1,053	13,279			
1961	6,233	4,661	985	11,879	6,791	4,696	1,025	12,512			
1962	6,043	4,709	920	11,672	6,373	4,680	945	11,998			
1963	5,809	4,801	835	11,445	5,880	4,768	886	11,534			
1964	5,707	4,948	649	11,304	5,738	4,876	753	11,367			

No. 17. Coal Mining: Classification of Persons Employed, 1960 to 1964

		3					, ,			
	1	Number Em	ployed at	End of Yea	ır	Averag	e Number	Employed	during Who	le Year
Particulars	1960	1961	1962	1963	1964	1960	1961	1962	1963	1964
			Und	lerground	Mines				•	
Northern District — Below Ground Above Ground Total Southern District — Below Ground Above Ground Total Western District — Below Ground Above Ground Total Total Total, N.S.W. — Below Ground Above Ground Total Total, N.S.W. —	4,305 2,952 7,257 3,086 1,379 4,465 654 388 1,042 8,045 4,719	3,536 2,529 6,065 3,231 1,430 4,661 625 360 985 7,392 4,319	3,434 2,472 5,906 3,267 1,442 4,709 589 331 920 7,290 4,245	3,337 2,341 5,678 3,339 1,462 4,801 529 306 835 7,205 4,109	3,389 2,172 5,561 3,450 1,498 4,948 419 230 649 7,258 3,900	4,651 3,028 7,679 3,035 1,379 4,414 655 398 1,053 8,341 4,805	3,864 2,775 6,639 3,267 1,429 4,696 643 382 1,025 7,774 4,586	3,636 2,581 6,217 3,237 1,443 4,680 600 345 945 7,473 4,369	3,371 2,373 5,744 3,314 1,454 4,768 567 319 886 7,252 4,146	3,358 2,246 5,604 3,397 1,479 4,876 475 278 753 7,230 4,003
	,		,	n Cut Min	,					
Northern District Southern District Western District Total, N.S.W.	142	168 168	137 137	131	146 146	133 	152 152	156	136	134
		Un	derground	and Ope	n Cut Min	es				
Northern District Southern District Western District	7,399 4,465 1,042	6,233 4,661 985	6,043 4,709 920	5,809 4,801 835	5,707 4,948 649	7,812 4,414 1,053	6,791 4,696 1,025	6,373 4,680 945	5,880 4,768 886	5,738 4,876 753
Total, N.S.W.	12,906	11,879	11,672	11,445	11,304	13,279	12,512	11,998	11,534	11,367
					1			1		

No. 18. Underground Coal Mines* Classified according to Gross Output, 1964

	No	rthern Distr	ict	So	uthern Dist	rict	W	estern Dist	rict	Ne	w South Wa	les
Gross Output	Na. of Mines *	Average Number of Persons Employed during Year	Gross Output	No. of Mines *	Average Number of Persons Employed during Year	Gross Output	No. of Mines *	Average Number of Persons Employed during Year	Gross Output	No. of Mines *	Average Number of Persons Employed during Year	Gross Output
Tons			Thous.			Thous.			Thous.			Thous. tons
1 to 10,000 10,001 to 50,000 50,001 to 100,000 100,001 to 200,000 200,001 to 400,000 Over 400,000	1 11 4 7 12 10	195 193 636 1,958 2,528	8 224 232 841 3,644 5,045	2 2 3 3 7 9	27 234 275 1,007 3,279	3 48 200 380 1,987 5,777	4 3 6 2 3	23 43 151 160 366	25 108 400 247 814	7 16 13 12 22 19	33 265 578 1,071 3,331 5,807	36 380 832 1,468 6,445 10,822
. Total	45	5,514	9,994	26	4,828	8,395	18	743	1,594	89	11,085	19,983

No. 19. Production, Consumption, and Stocks of Coal in New South Wales, 1954 to 1964

	Total	Mine Washery	Exp	orts*	Available for Con-		in Stocks N.S.W.	Actual	Stocks on
Year	Production	Washery Refuse, etc.	Oversea Countries	Other Australian States	sumption in NS.W.	Held at Mines, in Transit, etc.	Held by Consumers	Consumption in N.S.W.	Hand at end of Year
					Thousand to	ns			
1954 1955 1956 1957 1958 1959	15,083 14,736 14,810 15,390 15,851 15,712	229 244 237 355 614 810	396 255 303 768 811 765	2,567 2,579 2,240 2,095 1,996 2,113	11,891 11,658 12,030 12,172 12,430 12,024	(+) 68 (-) 54 (+) 167 (+) 142 (+) 423 (-) 486	(+) 205 (+) 104 (+) 19 (+) 61 (+) 13 (-) 211	11,618 11,608 11,844 11,969 11,994 12,721	2,822 2,872 3,058 3,261 3,697 3,000
1960 1961 1962 1963 1964	17,737 19,021 19,030 18,940 20,699	1,009 1,204 1,322 1,363 ‡ 1,557	1,554 2,590 2,738 2,723 3,655	1,868 1,511 1,360 1,286 1,266	13,306 13,716 13,610 13,568 ‡ 14,221	(+) 75 (+) 55 (+) 524 (-) 55 ‡ (-) 356	(+) 108 (+) 307 (-) 241 (+) 83 (-) 30	13,123 13,354 13,327 13,541 14,606	3,183 3,545 3,828 3,856 ‡ 3,470

No. 20. Consumption of Coal in N.S.W.: Principal Consumers, 1953-54 to 1963-64

				Facto	ries					Total, Factories
Year ended 30th June	Electricity Generating Stations	Gas Work s*	Steel Works and Coke Works*	Cement Works	Brick, Tile and Pottery Works		Other Factories	Total Factories	Government Railway Loco- motives	
					Thouse	ınd tons				
1954 1955 1956 1957 1958 1959	3,187 3,406 3,579 3,787 4,030 4,135	947 986 947 919 846 829	3,508 3,568 3,354 3,778 3,942 3,986	324 321 352 343 415 380	336 317 319 299 301 321	96 67 80 134 124 134	969 971 926 832 808 827	9,367 9,636 9,557 10,092 10,466 10,612	1,478 1,501 1,523 1,373 1,125 1,009	10,845 11,137 11,080 11,465 11,591 11,621
1960 1961 1962 1963 1964	4,328 4,369 4,406 4,600 5,138	848 845 796 727 730	4,353 5,055 5,181 5,303 5,692	428 440 400 416 453	340 348 332 333 339	130 135 132 112 129	820 789 773 780 803	11,247 11,981 12,020 12,271 13,283	1,021 980 798 705 671	12,268 12,961 12,818 12,976 13,954

^{*} Includes coal consumed as raw material.

^{*} Excludes non-producing developmental mines.
† Excludes persons employed in non-producing developmental mines and in central screening and washing plants at rail sidings (90 in Northern District, 48 in Southern District, and 10 in Western District).

^{*} Cargo and bunker coal.
† Total production, less washery refuse discarded and coal exported.
‡ Revised.

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No. 21. Exports of Coal from New South Wales, 1954 to 1964

			Interstat	e Exports					()versea	Export	s		
		Cargo	Coal		Bunker	Total,		Car	go Coa	I			Bunker	Total,
Year	Victoria	South Australia	Other States	Total	Coal	Inter- state	New Cal- edonia	Japan	Korea	Argen- tina	Other	Total	Coal	Oversea
						Thousa	nd tons							
1954 1955 1956 1957 1958 1959	1,267 1,244 1,116 943 962 1,046	948 992 813 883 773 822	116 134 132 97 94 73	2,331 2,370 2,061 1,923 1,829 1,941	236 209 179 172 167 172	2,567 2,579 2,240 2,095 1,996 2,113	163 168 157 182 143 145	27 451 361 493	169 7 62 85 163 22	 111 84	26 29 32 38 18 19	358 213 278 756 796 763	38 42 25 12 15	396 255 303 768 811 765
1960 1961 1962 1963 1964	895 817 689 652 701	751 516 490 447 390	95 77 84 70 58	1,741 1,410 1,263 1,169 1,149	127 101 97 117 117	1,868 1,511 1,360 1,286 1,266	131 72 36 106 146	1,373 2,387 2,521 2,482 3,314	40 37 55 69 61	•••	10 94 126 66 134	1,554 2,590 2,738 2,723 3,655		1,554 2,590 2,738 2,723 3,655

No. 22. Average Value of Coal per ton at Pit-top*, 1939 to 1964

Year	Northern District	Southern District	Western District	New South Wales	Year	Northern District	Southern District	Western District	New South Wales
	\$	\$	\$	\$		\$	\$	\$	\$
1939 1954 1955 1956 1957 1958	1.25 6.02 5.99 5.92 5.82 5.61	1.44 5.90 5.88 5.81 5.56 5.50	1.07 5.72 5.58 5.51 5.06 4.74	1.27 5.96 5.92 5.85 5.68 5.48	1959 1960 1961 1962 1963 1964	5.24 5.19 5.14 5.12 4.86 4.61	5.43 5.59 5.51 5.28 5.22 5.47	4.75 4.81 4.68 4.43 3.92 3.75	5.26 5.27 5.22 5.12 4.89 4.83

^{*} Based on value of saleable coal at pit-top (or at screens or mine washeries where these are situated at a distance from the mines). This excludes miners' coal, coal consumed at collieries, and refuse discarded at mine-washeries. Coal won by producer-consumers is also excluded, and only the actual sales from coal stocks held at grass by the Commonwealth Government have been taken to account.

No. 23. Mining Accidents, 1954 to 1964

				N	Number o	f Casuali	ies				Rate per	1,000 P	ersons E	mploye
		Perso	ns Killed				Pers	ons Inju	red*		Kil	led	Injur	ed*
Year	Coal and Shale Mining	Gold Mining	Silver- Lead- Zinc Mining	Other Mining and Quarry- ing	Total Killed	Coal and Shale Mining	Gold Mining	Silver- Lead- Zinc Mining	Other Mining and Quarry- ing	Total Killed	Coal and Shale Mining	Other Indus- tries	Coal and Shale Mining	Other Indus- tries
1954 1955 1956 1957 1958 1959	15 22 18 13 11		3 4 5 8 5 6	1 4 3 1 4 5	19 30 26 22 20 20	88 87 107 68 86 73	4 2 	256 277 300 273 310 315	24 29 37 56 47 51	368 397 446 397 443 439	0.75 1.14 0.99 0.77 0.72 0.67	0.41 0.78 0.75 0.83 0.91 1.22	4.42 4.50 5.86 4.01 5.59 5.44	28.41 30.20 31.89 30.22 36.26 39.71
1960 1961 1962 1963 1964	14 8 17 5 6		2 3 1 1 2	1 3 3 4 2	17 14 21 10 12	69 67 55 59 51		216 266 229 228 183	46 51 53 50 77	331 384 337 337 311	1.06 0.64 1.42 0.43 0.70	0.33 0.65 0.44 0.56 0.43	5.21 5.34 4.58 5.12 4.49	28.56 34.13 30.84 31.03 28.15

For coal and shale mining, the figures relate to injuries caused by explosions or electricity and serious injuries from all other causes. For other industries, the figures relate to injuries causing incapacity for over 14 days.

No. 24. State Revenue from Mining, 1954-55 to 1964-65

		Royalty on	Minerals						
Year ended 30th June	Coal	Silver, Lead, and Zinc	Gold and Other Minerals	T _{otal} Royalty	Royalty Repayments †	Net Royalty	Mining Leases	Other Receipts *	Net Receipts
	\$	\$	\$	\$	\$	\$	\$	\$	\$
1955 1956 1957 1958 1959 1960	871,224 866,680 893,710 912,522 918,314 898,958	2,274,190 3,814,806 4,316,624 2,835,752 352,146 670,342	91,238 105,626 201,814 335,920 226,124 211,652	3,236,652 4,787,112 5,412,148 4,084,194 1,496,584 1,780,952	18,948 50,230 68,554 76,270	3,179,604 4,768,164 5,361,918 4,015,640 1,420,314 1,643,082	38,954 39,516 49,234 37,174 41,152 38,474	15,766 35,498 65,028 34,914 24,824 49,736	3,234,324 4,843,178 5,476,180 4,087,728 1,486,290 1,731,292
1961 1962 1963 1964 1965	1,067,022 1,183,270 1,223,356 1,222,578 1,295,230	1,294,940 1,611,428 271,308 3,676,872 18,417,806	191,198 214,182 263,806 306,298 344,570	2,553,160 3,008,880 1,758,470 5,205,748 20,057,606	107,146 124,830 115,126	2,513,904 2,901,734 1,633,640 5,090,622 19,946,772	44,638 45,660 36,858 54,260 63,224	82,520 78,804 73,314 93,664 109,206	2,641,063 3,026,198 1,743,813 5,238,546 20,119,203

^{*} Includes fees for Miner's Rights and Business Licences.
† Royalty in regard to mining on private lands held without reservation of minerals to the Crown is collected by the Mines Department on behalf of the owner.